

STATEMENT OF WORK
Nutrient Management (590)
North Carolina Template

These deliverables apply to this individual practice. For other planned practice deliverables refer to those specific Statements of Work.

DESIGN**Deliverables:**

1. Design documents that demonstrate criteria in the NRCS practice standard have been met and are compatible with planned and applied practices.
 - a. Practice purpose(s) as identified in the conservation plan.
 - b. List of required permits, if required, to be obtained by the client.
 - c. Practice standard criteria-related computations and analyses to develop plans and specifications including but not limited to:
 - i. Results of soil and waste analysis.
 - ii. Realistic yield goals for the crop(s) to receive nutrient applications.
 - iii. Planned nutrient and soil amendment application rates, methods, and timing of application in balance with the nutrient budget.
 - iv. Site risk assessment for phosphorus transport with the North Carolina Phosphorus Loss Assessment Tool including losses via the four individual pathways, the phosphorus application rate determining cumulative score, and required mitigating practices for any excessive pathway losses.
 - v. Results, interpretive discussion and required mitigating practices from the Leaching Index or the North Carolina Phosphorus Loss Assessment Tool for watersheds identified as impaired by agricultural nutrients as identified in Section 1 of the USDA-NRCS Field Office Technical Guide.
2. Written plans and specifications shall be provided to the client that adequately describes the requirements to implement the practice and obtain necessary permits. Plans & specifications include:
 - a. Maps that identify areas on which nutrients will be applied.
 - b. Location of setbacks or other sensitive areas with nutrient application restrictions.
 - c. Guidance for nutrient applications on setbacks or other sensitive areas.
 - d. A nutrient budget for nitrogen, phosphorus, and potassium that compares recommended to planned nutrient application rates,
 - e. Guidance for operation and maintenance plan.
 - f. Other requirements listed in the conservation practice standard Nutrient Management (Code 590).
3. Certification that the design meets practice standard criteria and complies with applicable laws and regulations.
4. Design modifications during installation as required.

INSTALLATION**Deliverables**

1. Pre-implementation conference with client to review the plan
2. Verification that client has obtained required permits, if required for installation.
3. Location of and communication of setback requirements for wetlands, water bodies, streams, and other nutrient-sensitive areas.
4. Installation guidance as needed.
5. Facilitate and implement required design modifications with client and original designer.
6. Advise client/NRCS on compliance issues with all federal, state, tribal, and local laws, regulations and NRCS policies during installation.
7. Certification that the application process and materials meets design and permit requirements.

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CHECKOUT

Deliverables

1. Records of implementation.
 - a. Extent of practice units applied, acres.
2. Guidance for record keeping (implementation records maintained by the producer or agent)
 - a. Records of crops produced, planting and harvest dates, yields, residue management.
 - b. Records of recurring soil tests, and other tests (e.g. manure, plant tissue, water) used to implement the plan.
 - c. Records of recommended nutrient application rates.
 - d. Records of nutrient applications including quantities, analyses, and sources of nutrients applied; dates and methods of application.
 - e. Records of recurring review of the plan including the dates or review, individual performing the review, and recommendations that resulted from the review.
3. Certification that the application meets NRCS standards and specifications and is in compliance with permits.
4. Progress reporting.

REFERENCES

- NRCS Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Nutrient Management, 590
- NRCS General Manual Title 450, Part 401.03 (Technical Guides, Policy and Responsibilities) and Title 190, Part 402 (Ecological Sciences, Nutrient Management, Policy)
- NRCS National Planning Procedures Handbook (NPPH), CNMP Technical Guidance Document
- NRCS National Agronomy Manual (NAM) Section 503
- NRCS Agricultural Waste Management Field Handbook, Chapter 4 – Agricultural Waste Characteristics
- NRCS National Environmental Compliance Handbook
- NRCS Cultural Resources Handbook